Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1.   (Currently Amended) An apparatus for controlling uplink transmitting power in a CDMA mobile station, comprising:

a channel estimator a detecting a power magnitude and/or a phase of a specific channel of received downlink signals based on the received downlink signals;

a speed estimator estimating a moving speed of the CDMA mobile station based on the detected power magnitude and/or phase;

a step adjuster changing the size of a power control step based on the estimated moving speed;

a demodulator extracting a power control command contained in the received downlink signals; and

a power level controller adjusting a power level of transmitting signals by the changed power control step size according to the extracted power control command.

2.   (Previously Presented) The apparatus set forth in claim 1, wherein said specific channel is a pilot channel.

3.   (Previously Presented) The apparatus set forth in claim 1, further comprising a measuring means measuring a reliability of the extracted power control command, wherein said power level controller derives a weighting factor from the measured reliability, multiplies the changed power control step size by the derived weighting factor, and increments or decrements the power level of transmitting signals by the multiplied step size.

4.   (Previously Presented) The apparatus set forth in claim 3, wherein said measuring means measures the reliability based on an energy magnitude of the extracted power control command and history of power control commands.

5.   (Previously Presented) The apparatus set forth in claim 3, wherein the magnitude (P_{ADJ}) of power level adjusting step is determined by the equation of P_{ADJ} = TPC×W×N×ΔP, where TPC is a sign of a TPC bit(±1), W is measured reliability, N is min(C, ΔPmax/ΔP) where C is a number of TPC bits indicative of power changes in a same direction, ΔP is the changed power control step size, and ΔPmax is maximum step size.

6.   (Currently Amended) A method of controlling uplink transmitting power in a CDMA communication system, comprising the steps of:

(a) receiving downlink signals;

(b) detecting a power magnitude and/or a phase of a specific channel of the received downlink signals based on the received downlink signals, and extracting a power control command from the received downlink signals;

(c) estimating a moving speed of a mobile station based on the detected power magnitude and/or phase;

(d) changing a power control step size based on the estimated moving speed; and

(e) increasing or decreasing power level of transmitting signals by the changed power control step size according to the extracted power control command.

7.   (Original) The method set forth in claim 6, wherein said step (d) conducts the step changing operation every 1.25 msec.

8.   (Previously Presented) A method of controlling uplink transmitting power in a CDMA communication system, comprising the steps of:

(a) receiving downlink signals;

(b) extracting a power control command from the received downlink signals;

(c) calculating a reliability of the extracted power control command;

(d) deriving a weighting factor from the calculated reliability and multiplying a determined power control step size by the derived weighting factor; and

(e) increasing or decreasing power level of transmitting signals by the multiplied power control step size according to the extracted power control command.